

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR § 1.53(b))

Attorney Docket No. 0652.226001/EKS/AES

First Inventor GLOTZER et al.

Title Cyk-4 Polypeptides, DNA Molecules Encoding Them and Their Use in Screening Methods

Express Mail Label No.

APPLICATION ELEMENTS
See MPEP chapter 600 concerning utility patent application contents.
ADDRESS TO:Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

1. Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original, and a duplicate for fee processing)
2. Applicant claims small entity status.
See 37 CFR 1.27.
3. Specification [Total Pages 100]
(preferred arrangement set forth below)
- Descriptive title of the Invention
- Cross Reference to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to sequence listing, a table, or a computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (*if filed*)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure
4. Drawing(s) (35 U.S.C. 113) [Total Sheets 32]
5. Oath or Declaration [Total Pages _____]
a. Newly executed (original or copy)
b. Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)
i. **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR §§ 1.63(d)(2) and 1.33(b).
6. Application Data Sheet. See 37 CFR 1.76.
7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
- a. Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
i. CD-ROM or CD-R (2 copies); or
ii. paper
- c. Statements verifying identity of above copies: In accordance with 37 C.F.R. § 1.821(f), the paper copy of the sequence listing and the computer readable copy of the sequence listing submitted herewith are the same.

ACCOMPANYING APPLICATION PARTS

9. Assignment Papers (cover sheet & document(s))
10. 37 CFR 3.73(b) Statement Power of Attorney
(when there is an assignee)
11. English Translation Document (*if applicable*)
12. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations
13. Preliminary Amendment
14. Two (2) Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. Other: Authorization under 37 C.F.R. § 1.136(a)(3)
 Other: The name of the assignee is: _____

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation Divisional Continuation-in-Part (CIP) of prior application No: _____ / _____
Prior application information: Examiner _____ Group/Art Unit: _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS Customer Number or Bar Code Label

Customer No. 26111

or Correspondence address below

(Insert Customer No. if different than bar code label here.)

NAME	STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C. Attorneys at Law		
ADDRESS			
CITY	STATE		ZIP CODE
COUNTRY	TELEPHONE		FAX

NAME (Print/Type)	Ann E. Summerfield	Registration No. (Attorney/Agent)	47,982
SIGNATURE			
Date	June 18, 2001		

JC97 06/18/01

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT

(\$ 710.000

Complete if Known

Application Number	To Be Assigned
Filing Date	Herewith
First Named Inventor	GLOTZER et al.
Examiner Name	To Be Assigned
Group Art Unit	To Be Assigned
Attorney Docket No.	0652.2260001/EKS/AES

METHOD OF PAYMENT (check one)		FEE CALCULATION (continued)																																																																																																																																																																																																																																				
1. <input type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to: Deposit Account Number 19-0036 Deposit Account Name Sterne, Kessler, Goldstein & Fox P.L.L.C. <input type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17 <input type="checkbox"/> Applicant claims small entity status See 37 CFR 1.27		3. ADDITIONAL FEES <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Large Entity</th> <th style="width: 15%;">Small Entity</th> <th colspan="3"></th> <th style="width: 15%;">Fee Description</th> <th style="width: 15%;">Fee paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td><td></td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td><td></td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td><td></td><td></td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For filing a request for ex parte reexamination</td><td></td><td></td></tr> <tr><td>112</td><td>920*</td><td>112</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td><td></td></tr> <tr><td>113</td><td>1,840*</td><td>113</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td><td></td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for reply within first month</td><td></td><td></td></tr> <tr><td>116</td><td>390</td><td>216</td><td>195</td><td>Extension for reply within second month</td><td></td><td></td></tr> <tr><td>117</td><td>890</td><td>217</td><td>445</td><td>Extension for reply within third month</td><td></td><td></td></tr> <tr><td>118</td><td>1,390</td><td>218</td><td>695</td><td>Extension for reply within fourth month</td><td></td><td></td></tr> <tr><td>128</td><td>1,890</td><td>228</td><td>945</td><td>Extension for reply within fifth month</td><td></td><td></td></tr> <tr><td>119</td><td>310</td><td>219</td><td>155</td><td>Notice of Appeal</td><td></td><td></td></tr> <tr><td>120</td><td>310</td><td>220</td><td>155</td><td>Filing a brief in support of an appeal</td><td></td><td></td></tr> <tr><td>121</td><td>270</td><td>221</td><td>135</td><td>Request for oral hearing</td><td></td><td></td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td><td></td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive - unavoidable</td><td></td><td></td></tr> <tr><td>141</td><td>1,240</td><td>241</td><td>620</td><td>Petition to revive - unintentional</td><td></td><td></td></tr> <tr><td>142</td><td>1,240</td><td>242</td><td>620</td><td>Utility issue fee (or reissue)</td><td></td><td></td></tr> <tr><td>143</td><td>440</td><td>243</td><td>220</td><td>Design issue fee</td><td></td><td></td></tr> <tr><td>144</td><td>600</td><td>244</td><td>300</td><td>Plant issue fee</td><td></td><td></td></tr> <tr><td>122</td><td>130</td><td>122</td><td>130</td><td>Petitions to the Commissioner</td><td></td><td></td></tr> <tr><td>123</td><td>130</td><td>123</td><td>130</td><td>Petitions related to provisional applications</td><td></td><td></td></tr> <tr><td>126</td><td>180</td><td>126</td><td>180</td><td>Submission of Information Disclosure Stmt</td><td></td><td></td></tr> <tr><td>581</td><td>40</td><td>481</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td><td></td></tr> <tr><td>146</td><td>710</td><td>246</td><td>355</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td><td></td></tr> <tr><td>149</td><td>710</td><td>249</td><td>355</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td><td></td></tr> <tr><td>179</td><td>710</td><td>279</td><td>355</td><td>Request for Continued Examination (RCE)</td><td></td><td></td></tr> <tr><td colspan="7" style="padding: 5px;">Other fee (specify) :</td></tr> <tr><td colspan="7" style="padding: 5px;">Other fee (specify) :</td></tr> <tr> <td colspan="5" style="padding: 5px;">*Reduced by Basic Filing Fee Paid</td> <td colspan="2" style="text-align: right; padding: 5px;">SUBTOTAL (3) (\$ 0)</td> </tr> </tbody> </table>					Large Entity	Small Entity				Fee Description	Fee paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)				105	130	205	65	Surcharge - late filing fee or oath			127	50	227	25	Surcharge - late provisional filing fee or cover sheet			139	130	139	130	Non-English specification			147	2,520	147	2,520	For filing a request for ex parte reexamination			112	920*	112	920*	Requesting publication of SIR prior to Examiner action			113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action			115	110	215	55	Extension for reply within first month			116	390	216	195	Extension for reply within second month			117	890	217	445	Extension for reply within third month			118	1,390	218	695	Extension for reply within fourth month			128	1,890	228	945	Extension for reply within fifth month			119	310	219	155	Notice of Appeal			120	310	220	155	Filing a brief in support of an appeal			121	270	221	135	Request for oral hearing			138	1,510	138	1,510	Petition to institute a public use proceeding			140	110	240	55	Petition to revive - unavoidable			141	1,240	241	620	Petition to revive - unintentional			142	1,240	242	620	Utility issue fee (or reissue)			143	440	243	220	Design issue fee			144	600	244	300	Plant issue fee			122	130	122	130	Petitions to the Commissioner			123	130	123	130	Petitions related to provisional applications			126	180	126	180	Submission of Information Disclosure Stmt			581	40	481	40	Recording each patent assignment per property (times number of properties)			146	710	246	355	Filing a submission after final rejection (37 CFR 1.129(a))			149	710	249	355	For each additional invention to be examined (37 CFR 1.129(b))			179	710	279	355	Request for Continued Examination (RCE)			Other fee (specify) :							Other fee (specify) :							*Reduced by Basic Filing Fee Paid					SUBTOTAL (3) (\$ 0)	
Large Entity	Small Entity				Fee Description	Fee paid																																																																																																																																																																																																																																
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																																																																			
105	130	205	65	Surcharge - late filing fee or oath																																																																																																																																																																																																																																		
127	50	227	25	Surcharge - late provisional filing fee or cover sheet																																																																																																																																																																																																																																		
139	130	139	130	Non-English specification																																																																																																																																																																																																																																		
147	2,520	147	2,520	For filing a request for ex parte reexamination																																																																																																																																																																																																																																		
112	920*	112	920*	Requesting publication of SIR prior to Examiner action																																																																																																																																																																																																																																		
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action																																																																																																																																																																																																																																		
115	110	215	55	Extension for reply within first month																																																																																																																																																																																																																																		
116	390	216	195	Extension for reply within second month																																																																																																																																																																																																																																		
117	890	217	445	Extension for reply within third month																																																																																																																																																																																																																																		
118	1,390	218	695	Extension for reply within fourth month																																																																																																																																																																																																																																		
128	1,890	228	945	Extension for reply within fifth month																																																																																																																																																																																																																																		
119	310	219	155	Notice of Appeal																																																																																																																																																																																																																																		
120	310	220	155	Filing a brief in support of an appeal																																																																																																																																																																																																																																		
121	270	221	135	Request for oral hearing																																																																																																																																																																																																																																		
138	1,510	138	1,510	Petition to institute a public use proceeding																																																																																																																																																																																																																																		
140	110	240	55	Petition to revive - unavoidable																																																																																																																																																																																																																																		
141	1,240	241	620	Petition to revive - unintentional																																																																																																																																																																																																																																		
142	1,240	242	620	Utility issue fee (or reissue)																																																																																																																																																																																																																																		
143	440	243	220	Design issue fee																																																																																																																																																																																																																																		
144	600	244	300	Plant issue fee																																																																																																																																																																																																																																		
122	130	122	130	Petitions to the Commissioner																																																																																																																																																																																																																																		
123	130	123	130	Petitions related to provisional applications																																																																																																																																																																																																																																		
126	180	126	180	Submission of Information Disclosure Stmt																																																																																																																																																																																																																																		
581	40	481	40	Recording each patent assignment per property (times number of properties)																																																																																																																																																																																																																																		
146	710	246	355	Filing a submission after final rejection (37 CFR 1.129(a))																																																																																																																																																																																																																																		
149	710	249	355	For each additional invention to be examined (37 CFR 1.129(b))																																																																																																																																																																																																																																		
179	710	279	355	Request for Continued Examination (RCE)																																																																																																																																																																																																																																		
Other fee (specify) :																																																																																																																																																																																																																																						
Other fee (specify) :																																																																																																																																																																																																																																						
*Reduced by Basic Filing Fee Paid					SUBTOTAL (3) (\$ 0)																																																																																																																																																																																																																																	
** or number previously paid, if greater; For Reissues, see above		SUBMITTED BY																																																																																																																																																																																																																																				
Name (Print/Type)		Ann E. Summerfield		Registration No. (Attorney/Agent)	47,982	Telephone	202-371-2600																																																																																																																																																																																																																															
Signature		<i>Ann E. Summerfield</i>		Date		June 18, 2001																																																																																																																																																																																																																																

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

SKGF Rev. 11/13/00 mmac

fee.form

TO/81/90
U.S. PRO
1051

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

ATTORNEYS AT LAW

1100 NEW YORK AVENUE, N.W. • WASHINGTON, D.C. 20005-3934

PHONE: (202) 371-2600 • FACSIMILE: (202) 371-2540 • www.skf.com

ROBERT GREENE STERNE
EDWARD J. KESSLER
JORGE A. GOLDSTEIN
SAMUEL L. FOX***
DAVID K.S. CORNWELL
ROBERT W. EDMOND
TRACY-GENE G. DURKIN
MICHELE A. CIMBALA
MICHAEL B. RAY
ROBERT E. SOKOHL
ERIC K. STEFFE
MICHAEL O. LEE
STEVEN R. LUDWIG

JOHN M. COVERT
LINDA E. ALCORN
ROBERT C. MILLONIG
MICHAEL V. MESSINGER
JUDITH U. KIM
TIMOTHY J. SHEA, JR.
DONALD R. MCPHAIL
PATRICK E. GARRETT
JEFFREY T. HELVEY*
HEIDI L. KRAUS
JEFFREY R. KURIN
RAYMOND MILLIEN
PATRICK D. O'BRIEN

LAWRENCE B. BUGAISKY
CRYSTAL D. SAYLES
EDWARD W. YEE
ALBERT L. FERRO*
DONALD R. BANOWIT
PETER A. JACKMAN
MOLLY A. McCALL
TERESA U. MEDLER
JEFFREY S. WEAVER
KRISTIN K. VIDOVICH
KENDRICK P. PATTERSON
DONALD J. FEATHERSTONE
GRANT E. REED

VINCENT L. CAPUANO
JOHN A. HARROUN*
ALBERT J. FASULO II*
ELDORA ELLISON FLOYD*
W. RUSSELL SWINDELL
THOMAS C. FIALA
BRIAN J. DEL BUONO*
VIRGIL L. BEASTON*
RYAN J. STAMPER*
KAREN R. MARKOWICZ**
SUZANNE E. ZISKA**
ANDREA J. KAMAGE**
NANCY J. LEITH**

ELIZABETH J. HAANES**
MARK P. TERRY**
JOSEPH M. CONRAD, III**
DOUGLAS M. WILSON**
REGINALD D. LUCAS**
ANN E. SUMMERFIELD**
CYNTHIA M. BOUCHEZ**
HELENE C. CARLSON**
BRUCE E. CHALKER**
DUSTIN T. JOHNSON**
MATTHEW J. DOWD**

*LIMITED TO MATTERS
AND PROCEEDINGS BEFORE
FEDERAL COURTS & AGENCIES
**REGISTERED PATENT AGENT
***SENIOR COUNSEL

June 18, 2001

WRITER'S DIRECT NUMBER:
(202) 371-2606

INTERNET ADDRESS:
ANNS@SKF.COM

Commissioner for Patents
Washington, D.C. 20231

Box Patent Application

Re: U.S. Non-Provisional Utility Patent Application under 37 C.F.R. § 1.53(b)
Appl. No.: *To Be Assigned*; Filed: *Herewith*
For: **Cyk-4 Polypeptides, DNA Molecules Encoding Them and Their use in
Screening Methods**
Inventors: GLOTZER *et al.*
Our Ref: 0652.2260001/EKS/AES

Sir:

The following documents are forwarded herewith for appropriate action by the U.S.
Patent and Trademark Office:

1. PTO Fee Transmittal (Form PTO/SB/17) (*in duplicate*);
2. PTO Utility Patent Application Transmittal (Form PTO/SB/05);
3. U.S. Utility Patent Application entitled:

**Cyk-4 Polypeptides, DNA Molecules Encoding Them and Their use in
Screening Methods**

and naming as inventors:

Michael GLOTZER

JC971 U.S. PRO
09/881736

06/18/01

Commissioner for Patents
June 18, 2001
Page 2

Verena JANTSCH-PLUNGER
Alper ROMANO
Masanori MISHIMA
Susanne KAITNA

the application consisting of:

- a. A specification containing:
 - i. 96 pages of description prior to the claims;
 - ii. 3 pages of claims (12 claims);
 - iii. a one (1) page abstract;
- b. 32 sheets of drawings: (Figures 1A-1B, 2A-2D, 3A-3C, 3D, 4A-4D, 5, 6A-6C, 7A-7H, 8, 9A-9I, 10, 11, 12A, 12B, 12C, 13A, 13B, 13C, 13D, 14A, 14B, 14C, 15A, 15B, 15C, 16A, 16B, 17A, 17B, 17C, 17D, and 18);
- c. 22 pages of a paper copy of the sequence listing;
- d. A computer readable disk copy of the sequence listing;

In accordance with 37 C.F.R. § 1.821(f), the paper copy of the sequence listing and the computer readable copy of the sequence listing submitted herewith are the same.

- e. An Application Data Sheet (37 C.F.R. § 1.76); and
 - f. Our check No. 31650 for \$710.00 to cover:
\$710.00 filing fee for patent application;
4. Authorization to Treat a Reply As Incorporating An Extension of Time Under 37 C.F.R. § 1.136(a)(3) (*in duplicate*); and
5. Two (2) return postcards.

Commissioner for Patents
June 18, 2001
Page 3

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036. A duplicate copy of this letter is enclosed.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Ann E. Summerfield
Agent for Applicants
Registration No. 47,982

PAUSERS\ANNS\Angela\0652\0652.2260001\tran
SKGF ver.6/20/00 mac

JC971 U.S. PTO
09/881736
06/18/01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Confirmation No. N/A
GLOTZER *et al.* Art Unit: *To Be Assigned*
Appl. No. *To Be Assigned* Examiner: *To Be Assigned*
Filed: *Herewith* Atty. Docket: 0652.2260001/EKS/AES
For: **Cyk-4 Polypeptides, DNA
Molecules Encoding Them and
Their Use in Screening Methods**

**Authorization To Treat A Reply As Incorporating An Extension Of
Time Under 37 C.F.R. § 1.136(a)(3)**

Commissioner for Patents
Washington, D.C. 20231

Sir:

The U.S. Patent and Trademark Office is hereby authorized to treat any concurrent or future reply that requires a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. The U.S. Patent and Trademark Office is hereby authorized to charge all required extension of time fees to our Deposit Account No. 19-0036, if such fees are not otherwise provided for in such reply. A duplicate copy of this authorization is enclosed.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Ann E. Summerfield
Agent for Applicants
Registration No. 47,982

Date: June 18, 2001
1100 New York Avenue, N.W.
Suite 600
Washington, D.C. 20005-3934
(202) 371-2600

P:\USERS\ANNS\Angela\0652\0652.2260001\auth.eot